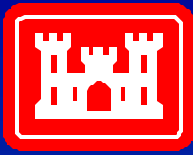


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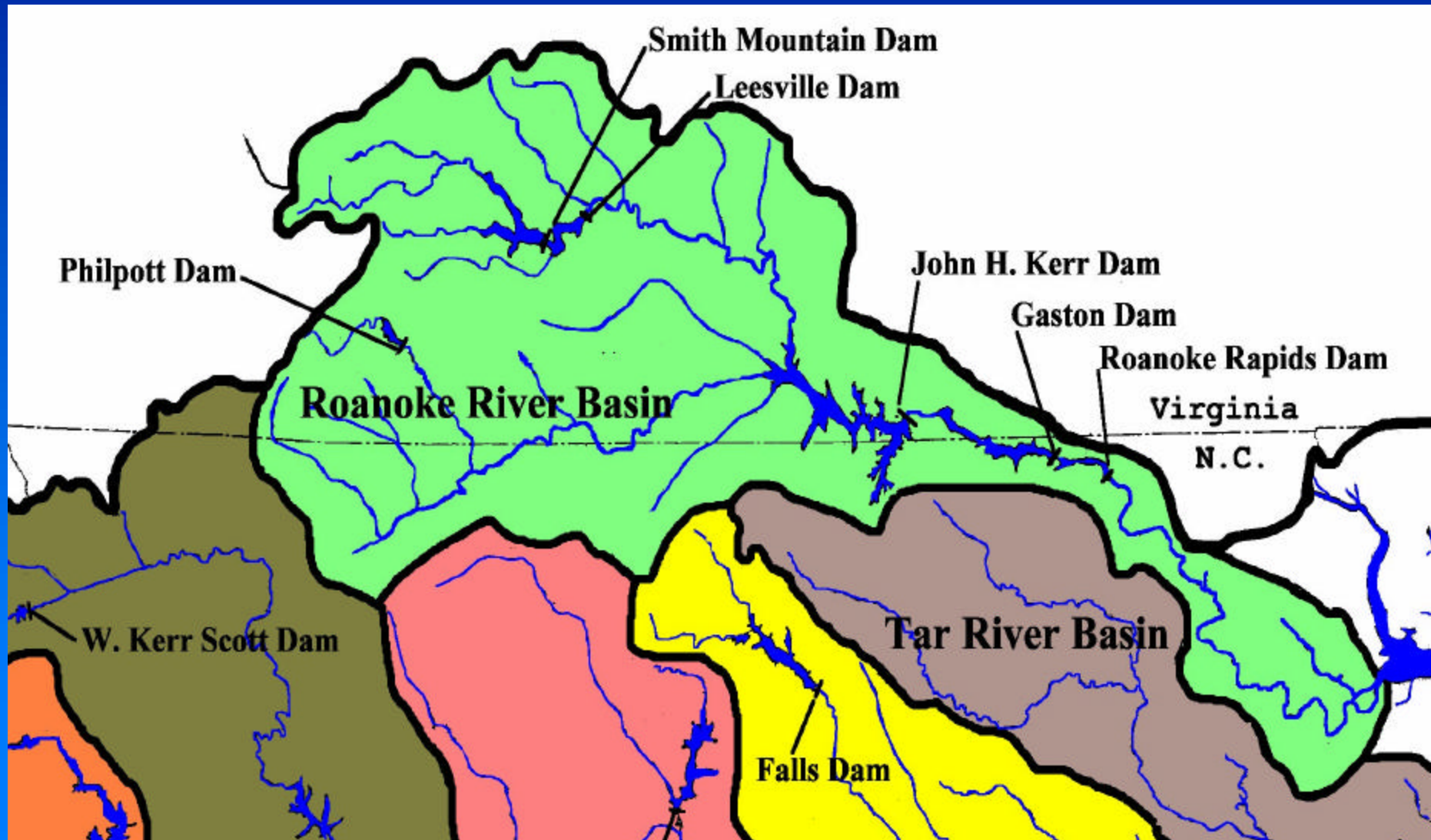
Presentation at John H. Kerr Management Center to the Virginia Roanoke River Basin Advisory Committee April 15, 2008

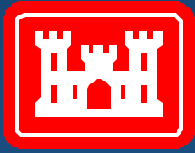
**Hank Maser, Chief of Technical Services Division
Wilmington District
US Army Corps of Engineers**



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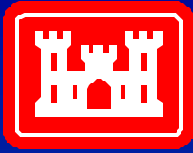
John H. Kerr Dam and Reservoir





John H. Kerr Dam and Reservoir Primary Project Purposes

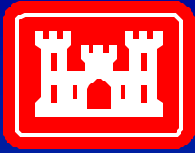
- **Flood Control – 30% of Benefits**
- **Hydropower – 70% of Benefits**



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John H. Kerr Dam and Reservoir Applicable Legislation

- **Flood Control (PL 78-534, Flood Control Act of 1944)**
- **Hydroelectric Power (PL 78-534)**
- **Recreation (PL 78-534)**
- **Water Supply (PL 85-500)**
- **Fish and Wildlife (PL 85-624)**
- **Low Flow Augmentation (PL 78-534) no longer required because of FERC Project license number 2009 for Gaston and Roanoke Rapids**



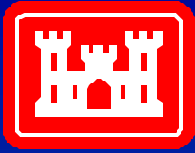
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Water Supply at Existing Corps Projects

The Water Supply Act of 1958 (PL 85-500) authorizes the Secretary of the Army to reallocate storage in existing projects for water supply.

Up to 15 percent of total storage capacity or 50,000 acre feet, whichever is less, may be allocated from existing purposes to serve as storage for municipal and industrial (M&I) water supply.

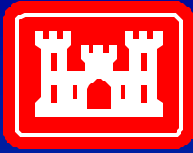
Applying this rule at Kerr means that up to 50,000 AF of storage can be allocated to M&I water supply.



John H. Kerr Dam and Reservoir

Pertinent Information

- **Watershed drainage area of 7800 square miles**
- **1,027,000 acre feet allocated to conservation/power pool storage (elevation 268-300 ft msl),**
- **1,281,400 acre feet allocated to controlled flood storage (elevation 300-320 ft msl)**
- **594,500 acre feet allocated to uncontrolled flood storage (elevation 320-326 msl)**

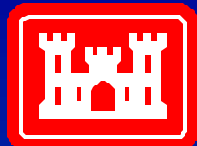


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John H. Kerr Dam and Reservoir

Upstream and Downstream Users

Upstream Users	Downstream Users
Recreation	Agriculture
Hydropower	Flood Protection
Industry and Urban	Hydropower
Water Supply	Industry and Urban
Wildlife and Fisheries	Recreation
	Timber Harvesting
	Water Supply
	Wildlife and Fisheries

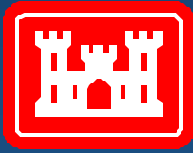


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John H. Kerr & Philpott

Current Water Supply Allocations

SAW Water Supply Agreements Kerr-Philpott				
Project	Municipality	Type of Agreement	Storage Est. Capacity	Date of Execution
John H Kerr	City of Virginia Beach, VA	Water Storage	10,200 acre-ft	13-Jan-84
	City of Henderson, NC	Water Storage	10,292 acre-ft	17-Mar-06
	VA Dept of Corrections	Water Storage	23 acre-ft	7-Apr-89
	Mecklenburg Cogeneration	Water Storage	600 acre-ft	20-Jun-91
	Reallocation Available	Water Storage	28,885 acre-ft	
	City of Clarksville, VA	Water Use	avg 0.3mgd*	Grandfathered
	Burlington Industries	Water Use	avg 2.2mgd*	Grandfathered
	No users currently			
	Reallocation Available	Water Storage	21,800 acre-ft	
Philpott				
Notes				
* Million Gallons per Day, Average usage for 2001				



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John H. Kerr

Potential Future Water Storage Considerations

Current Agreements – Reallocation based on 2002 Drought

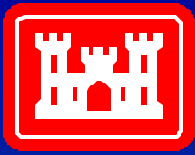
Virginia Beach, VA

Virginia Dept of Corrections

Mecklinburg Cogeneration

New Allocation Requests

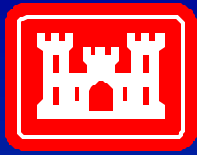
Raleigh, Durham, Cary, & Granville County



John H. Kerr

Section 216 Feasibility Study

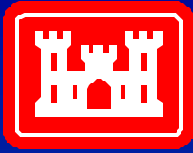
- Limited consideration of water supply issues.
- NC & VA have independent studies under way
- Additional Allocations may be considered under the 1958 Act.



John H. Kerr Status Section 216 Feasibility Study

Information about the Kerr 216 study is available at:

http://www.saw.usace.army.mil/jhkerr_216/main.htm



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